

# **EXHIBIT G**

### **Exemplary Infringement Chart for U.S. Patent No. 8,865,303**

Reflective roof granules produced by Amberger Kaolinwerke including but not limited to the AKCool Solar Reflective Granules, (“AKW Products”) infringe by way of at least contributory and induced infringement, the asserted claims of U.S. Patent No. 8,865,303 (the “’303 Patent”). Each of the following limitations is met literally, and, to the extent a limitation is not met literally, it is met under the doctrine of equivalents.

This claim chart is based on information currently available to U.S. Silica. Such information is intended to be exemplary in nature with respect to a representative product. U.S. Silica reserves all rights to update and elaborate upon its infringement positions, including the right to amend its infringement positions as U.S. Silica obtains additional information in discovery concerning the AKCool Solar Reflective Granules or other products that may infringe the asserted claims or other claims of the ’303 Patent.

| <b>Claim 1</b>                            |  |
|---|--|
| <b>’303 Patent Claim</b>                  | <b>AKW Products</b>  |
| 1 [pre] A cool roofing system comprising: | <p>The AKW Products are intended to be incorporated into a cool roofing system. The AKW Products are incorporated into cool roofing systems by AKW customers, who are manufacturers of such systems.</p> <p>“The invention relates to a roof coating comprising a bitumen layer with embedded particles.” ’947 Patent, Abstract.</p> <p>The AKW Products, including AKCool® patented Solar Reflective Granules, are incorporated into “cool roofing systems” and are “specially developed for bitumen mineral cap sheets used on roofs.”</p> |

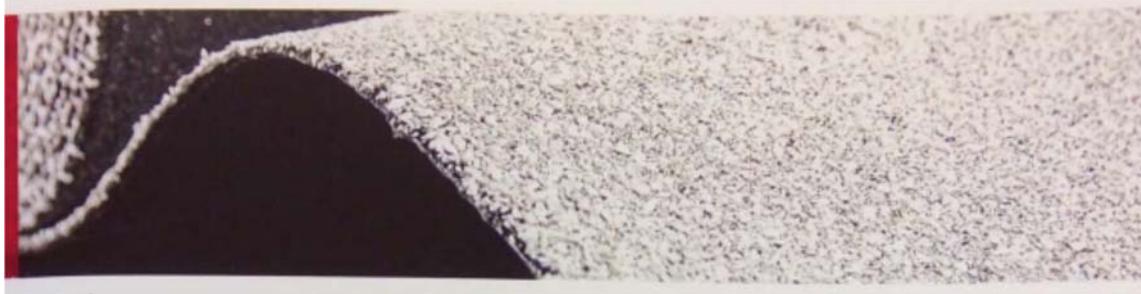
| Claim 1           |   |
|-------------------|---|
| '303 Patent Claim | AKW Products  |
|                   | <p> <b>AKCool® – PATENTED TECHNOLOGY</b></p> <p>The new, patented AKCool® granules are specially developed for bitumen mineral cap sheets used on roofs. The product is characterized by <b>permanently high reflectance values and especially long durability</b>. As a result, AKCool® helps lower building temperatures, minimize energy and operating costs, and meet building environmental standards.</p> <p><b>Optimized granules:</b></p> <ul style="list-style-type: none"><li>→ Completely reflective (due to reflective core material)</li><li>→ Optimized flaked granule shape and ideal particle size distribution for perfect coverage and fixation</li><li>→ High hardness</li><li>→ Minimal fines, low dusting</li><li>→ Absolutely UV-resistant</li></ul> <p><b>Optimized surface:</b></p> <ul style="list-style-type: none"><li>→ Minimum staining thanks to highly hydrophobic and oleophobic surface</li><li>→ Long-term durability of granules brings long-term reflectance to the roof system</li><li>→ Perfect adhesion to bitumen surface due to microporous flake surface</li></ul> |

| Claim 1           |  |
|-------------------|--|
| '303 Patent Claim | AKW Products   |
|                   |  <p>SAVE.</p> <ul style="list-style-type: none"><li>→ Less energy needed for cooling, reduces energy costs and minimizes CO<sub>2</sub> emission</li><li>→ Robust and durable, reduces operating and maintenance costs</li><li>→ Counters the urban heat island effect, improving the microclimate in urban areas</li><li>→ Helps meet ever-stricter environmental standards for buildings in terms of energy savings</li><li>→ An important factor for LEED sustainability certification</li></ul> |

| Claim 1   |  |
|---|--|
| '303 Patent Claim   | AKW Products   |
|   | <p> <b>AKCool® - QUALITY MADE IN GERMANY</b></p> <p>With AKCool® solar reflective granules you're choosing quality made in Germany.</p> <p>Amberger Kaolinwerke is a specialist in extracting, processing and refining of industrial minerals and has access to significant amounts of the highest-quality raw materials. This enables us to supply our products to markets around the world. Our AKCool® solar reflective granules are the result of more than 10 years of experience and continuous development work in the field of cool roof applications.</p> <p>Amberger Kaolinwerke is a member of the European Cool Roofs Council. This non-profit organization has set itself the task of promoting research and development of cool roof technologies and setting reliable quality standards for products and materials.</p> <p><b>MADE IN GERMANY</b></p> <p><b>ECRC</b> EUROPEAN COOL ROOFS COUNCIL</p> |
| 1[a] at least one asphalt layer and at least one granular layer directly adhered to a top surface of the asphalt layer, | Ex. E; <i>see also</i> photos in <i>id.</i> (showing AKCool granules layered on top of an asphalt/bitumen layer).  |



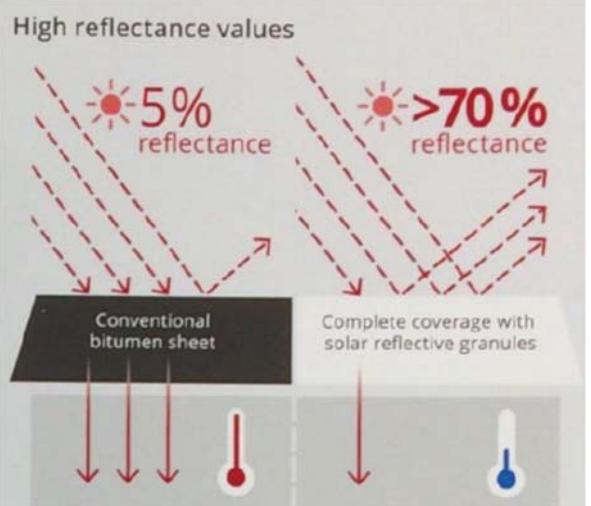
Ex. E.

| Claim 1           |  |
|-------------------|--|
| '303 Patent Claim | AKW Products   |
|                   |    |
|                   | <p>Ex. E.</p> <p><i>See also</i> information for element 1[pre] above.</p> <p>1[b] wherein the granular layer comprises a plurality of highly reflective calcined, bright white crushed kaolin particles,</p> <p>The AKW Products form a granular layer and comprise a plurality of highly reflective calcined, bright white crushed kaolin particles.</p> |

| Claim 1           |   |
|-------------------|---|
| '303 Patent Claim | AKW Products  |
|                   | <p><b>AKCool® – PATENTED TECHNOLOGY</b></p> <p>The new, patented AKCool® granules are specially developed for bitumen mineral cap sheets used on roofs. The product is characterized by <b>permanently high reflectance values and especially long durability</b>. As a result, AKCool® helps lower building temperatures, minimize energy and operating costs, and meet building environmental standards.</p> <p><b>Optimized granules:</b></p> <ul style="list-style-type: none"> <li>→ Completely reflective (due to reflective core material)</li> <li>→ Optimized flaked granule shape and ideal particle size distribution for perfect coverage and fixation</li> <li>→ High hardness</li> <li>→ Minimal fines, low dusting</li> <li>→ Absolutely UV-resistant</li> </ul> <p><b>Optimized surface:</b></p> <ul style="list-style-type: none"> <li>→ Minimum staining thanks to highly hydrophobic and oleophobic surface</li> <li>→ Long-term durability of granules brings long-term reflectance to the roof system</li> <li>→ Perfect adhesion to bitumen surface due to microporous flake surface</li> </ul>  <p>Flake shaped structure of AKCool®.</p>  <p>AKCool® is coated to repel water and oil.</p> <p>Ex. E.</p> |

| Claim 1  |   |
|--|---|
| '303 Patent Claim  | AKW Products  |
|  | <p>The AKCool granules are disclosed as being “completely reflective (due to reflective core material)” and are claimed to be “patented.” Ex. E.</p> <p>“1. A roof coating comprising a bitumen layer with embedded particles, wherein said embedded particles comprise particles that are fired mixtures of<br/> from 40 to 70% by weight clay minerals;<br/> from 0 to 32% by weight crystalline silicas;<br/> from 28 to 45% by weight feldspar;<br/> from 0 to 15% by weight other aggregates,<br/> wherein said fired mixtures have an open porosity of 0 to 14% by volume as measured according to DIN EN 993-1:1995.”</p> <p>'947 Patent, Claim 1.</p> <p>The Examples in the '947 Patent include China clay. '947 Patent, Example 1.</p> <p><i>See also</i> Complaint at ¶¶ 37, 39, 46.</p> |
| 1[c] having a solar reflectance ranging from about 80% to about 92% prior to any added surface treatment and | <p>The AKW Products have a solar reflectance ranging from about 80% to about 92% prior to any added surface treatment.</p> <p>The AKCool granules are disclosed as being “completely reflective (due to reflective core material)” and having a “permanently high reflectance value and especially long durability.” Ex. E.</p>   |

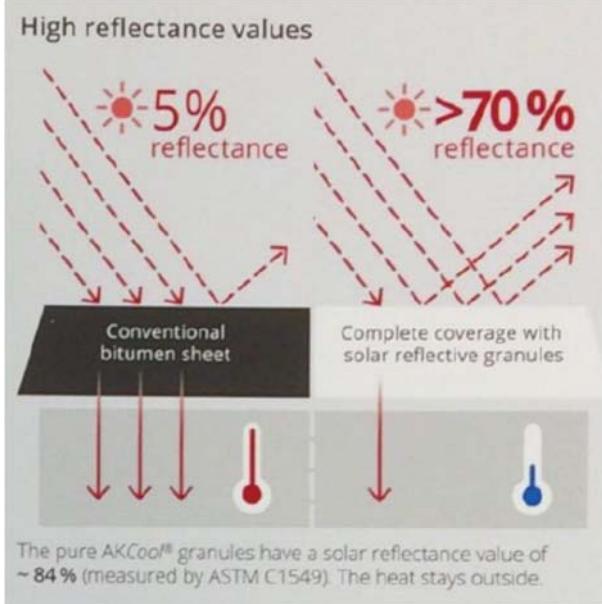
**Claim 1**

| '303 Patent Claim         | AKW Products  |                           |                            |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
|---------------------------|---|---------------------------|----------------------------|--|--|----------|------|---------------|-------------|-------------------|---|------|------------|------------------|---|-------|------------------|------------------|-----|-------|----------------------------|----------|---|-----|------|---------------|----|-----------|-----------|---------------|------|--------|----------|------------------|---|-------|-----------|--------------------|---|-------|----------|
|                           | <p>“Pure” AKCool granules have a solar reflectance of ~84% as measured by ASTM C1549:</p>  <p>The pure AKCool® granules have a solar reflectance value of ~ 84 % (measured by ASTM C1549). The heat stays outside.</p> <table border="1"> <thead> <tr> <th colspan="4">Typical product features:</th> </tr> <tr> <th>Property</th> <th>Unit</th> <th>Typical value</th> <th>Test method</th> </tr> </thead> <tbody> <tr> <td>Solar reflectance</td> <td>%</td> <td>~ 84</td> <td>ASTM C1549</td> </tr> <tr> <td>Moisture content</td> <td>%</td> <td>≤ 0.5</td> <td>DIN EN ISO 787-2</td> </tr> <tr> <td>Water repellence</td> <td>Min</td> <td>≥ 120</td> <td>ARMA Water repellency test</td> </tr> <tr> <td>Hardness</td> <td>-</td> <td>≥ 7</td> <td>MOHS</td> </tr> <tr> <td>Particle size</td> <td>mm</td> <td>0.5 – 2.4</td> <td>DIN 66165</td> </tr> <tr> <td>Particle size</td> <td>mesh</td> <td>35 – 8</td> <td>ASTM E11</td> </tr> <tr> <td>Fines (&lt; 150 µm)</td> <td>%</td> <td>≤ 0.5</td> <td>DIN 66165</td> </tr> <tr> <td>Fines (&lt; 100 mesh)</td> <td>%</td> <td>≤ 0.5</td> <td>ASTM E11</td> </tr> </tbody> </table> | Typical product features: |                            |  |  | Property | Unit | Typical value | Test method | Solar reflectance | % | ~ 84 | ASTM C1549 | Moisture content | % | ≤ 0.5 | DIN EN ISO 787-2 | Water repellence | Min | ≥ 120 | ARMA Water repellency test | Hardness | - | ≥ 7 | MOHS | Particle size | mm | 0.5 – 2.4 | DIN 66165 | Particle size | mesh | 35 – 8 | ASTM E11 | Fines (< 150 µm) | % | ≤ 0.5 | DIN 66165 | Fines (< 100 mesh) | % | ≤ 0.5 | ASTM E11 |
| Typical product features: |   |                           |                            |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Property                  | Unit  | Typical value             | Test method                |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Solar reflectance         | %   | ~ 84                      | ASTM C1549                 |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Moisture content          | %   | ≤ 0.5                     | DIN EN ISO 787-2           |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Water repellence          | Min   | ≥ 120                     | ARMA Water repellency test |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Hardness                  | -   | ≥ 7                       | MOHS                       |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Particle size             | mm  | 0.5 – 2.4                 | DIN 66165                  |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Particle size             | mesh  | 35 – 8                    | ASTM E11                   |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Fines (< 150 µm)          | %   | ≤ 0.5                     | DIN 66165                  |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |
| Fines (< 100 mesh)        | %   | ≤ 0.5                     | ASTM E11                   |  |  |          |      |               |             |                   |   |      |            |                  |   |       |                  |                  |     |       |                            |          |   |     |      |               |    |           |           |               |      |        |          |                  |   |       |           |                    |   |       |          |

| Claim 1  |  |                           |                            |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
|--|--|---------------------------|----------------------------|--|--|--|----------|------|---------------|-------------|--|-------------------|---|------|------------|--|------------------|---|-------|------------------|--|------------------|-----|-------|----------------------------|--|----------|---|-----|------|--|---------------|----|-----------|-----------|--|---------------|------|--------|----------|--|------------------|---|-------|-----------|--|--------------------|---|-------|----------|--|
| '303 Patent Claim  | AKW Products   |                           |                            |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
|  | Ex. E.   |                           |                            |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| 1[d] a particle size ranging from about 0.3 mm to about 2.4 mm   | <p>The AKW products have a particle size ranging from about 0.3 mm to about 2.4 mm.</p> <p>AKCool granules are disclosed to have a particle size of 0.5-2.4 mm:</p> <table border="1"> <thead> <tr> <th colspan="5">Typical product features:</th> </tr><tr> <th>Property</th> <th>Unit</th> <th>Typical value</th> <th colspan="2">Test method</th> </tr> </thead> <tbody> <tr> <td>Solar reflectance</td> <td>%</td> <td>~ 84</td> <td colspan="2">ASTM C1549</td> </tr> <tr> <td>Moisture content</td> <td>%</td> <td>≤ 0.5</td> <td colspan="2">DIN EN ISO 787-2</td> </tr> <tr> <td>Water repellence</td> <td>Min</td> <td>≥ 120</td> <td colspan="2">ARMA Water repellency test</td> </tr> <tr> <td>Hardness</td> <td>-</td> <td>≥ 7</td> <td colspan="2">MOHS</td> </tr> <tr> <td>Particle size</td> <td>mm</td> <td>0.5 – 2.4</td> <td colspan="2">DIN 66165</td> </tr> <tr> <td>Particle size</td> <td>mesh</td> <td>35 – 8</td> <td colspan="2">ASTM E11</td> </tr> <tr> <td>Fines (&lt; 150 µm)</td> <td>%</td> <td>≤ 0.5</td> <td colspan="2">DIN 66165</td> </tr> <tr> <td>Fines (&lt; 100 mesh)</td> <td>%</td> <td>≤ 0.5</td> <td colspan="2">ASTM E11</td> </tr> </tbody> </table> | Typical product features: |                            |  |  |  | Property | Unit | Typical value | Test method |  | Solar reflectance | % | ~ 84 | ASTM C1549 |  | Moisture content | % | ≤ 0.5 | DIN EN ISO 787-2 |  | Water repellence | Min | ≥ 120 | ARMA Water repellency test |  | Hardness | - | ≥ 7 | MOHS |  | Particle size | mm | 0.5 – 2.4 | DIN 66165 |  | Particle size | mesh | 35 – 8 | ASTM E11 |  | Fines (< 150 µm) | % | ≤ 0.5 | DIN 66165 |  | Fines (< 100 mesh) | % | ≤ 0.5 | ASTM E11 |  |
| Typical product features:  |  |                           |                            |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Property   | Unit   | Typical value             | Test method                |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Solar reflectance  | %  | ~ 84                      | ASTM C1549                 |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Moisture content   | %  | ≤ 0.5                     | DIN EN ISO 787-2           |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Water repellence   | Min  | ≥ 120                     | ARMA Water repellency test |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Hardness   | -  | ≥ 7                       | MOHS                       |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Particle size  | mm   | 0.5 – 2.4                 | DIN 66165                  |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Particle size  | mesh   | 35 – 8                    | ASTM E11                   |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Fines (< 150 µm)   | %  | ≤ 0.5                     | DIN 66165                  |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| Fines (< 100 mesh)   | %  | ≤ 0.5                     | ASTM E11                   |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
|  | Ex. E.   |                           |                            |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |
| 1[e] wherein the highly reflective bright white crushed kaolin particles comprise crushed kaolin chamotte particles, | <p>The AKW products comprise crushed kaolin chamotte particles.</p> <p><i>See, e.g.,</i> information provided for element 1[b] above.</p>  |                           |                            |  |  |  |          |      |               |             |  |                   |   |      |            |  |                  |   |       |                  |  |                  |     |       |                            |  |          |   |     |      |  |               |    |           |           |  |               |      |        |          |  |                  |   |       |           |  |                    |   |       |          |  |

| <b>Claim 1</b>  |  |
|---|--|
| <b>'303 Patent Claim</b>  | <b>AKW Products</b>  |
| 1[f] wherein the highly reflective, calcined, bright white crushed kaolin particles have a surface treatment consisting of a clear coating, | The AKW products have a surface treatment consisting of a clear coating.<br>AKCool granules are disclosed to include a surface treatment coating, and the core is disclosed to be “completely reflective.” |

| Claim 1           |   |
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| '303 Patent Claim | AKW Products  |
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| Claim 1  |   |
|--|---|
| '303 Patent Claim  | AKW Products  |
| <p>1[g] wherein, when the highly reflective calcined, surface treated, bright white crushed kaolin particles are applied to the asphalt layer used for roofing materials, the highly reflective calcined, surface treated, bright white crushed kaolin particles have a resultant reflectance between about 70-82% substantially fully covering the surface of the asphalt layer in the cool roofing system providing a minimum solar reflectance of 70% or more</p> | <p>The coating is thus clear.</p> <p>When applied to an asphalt layer, the AKW Products have a resultant reflectance between about 70-82%, substantially fully covering the surface of the asphalt, and provide a minimum solar reflectance of 70% or more.</p> <p>The “pure” AKCool particles are stated to have a solar reflectance of ~84%, and they are shown to include a reflectance of &gt;70% when applied to fully cover an asphalt layer.</p>  <p>The diagram illustrates the difference in solar reflectance between a conventional bitumen sheet and one fully covered with solar reflective granules. On the left, under the heading 'High reflectance values', two sun icons are shown with dashed arrows pointing down to a 'Conventional bitumen sheet'. The first sun is labeled '5% reflectance' and the second is labeled '&gt;70% reflectance'. On the right, another sun icon with dashed arrows points down to a 'Complete coverage with solar reflective granules'. Below this section, a note states: 'The pure AKCool™ granules have a solar reflectance value of ~ 84 % (measured by ASTM C1549). The heat stays outside.'</p> |

| Claim 1   |   |
|---|---|
| '303 Patent Claim   | AKW Products  |
| 1[h] wherein the clear coating is selected from the group consisting of silanes, siloxanes, polysiloxanes, organo-siloxanes, silicates, organic silicates, silicone resins, acrylics, urethanes, polyurethanes, glycol ethers and mixtures thereof. | <p>The clear coating on the AKW Products is selected from the group consisting of silanes, siloxanes, polysiloxanes, organo-siloxanes, silicates, organic silicates, silicone resins, acrylics, urethanes, polyurethanes, glycol ethers and mixtures thereof.</p> <p>The '974 Patent indicates that the Example particles are coated with Unidyne TG-8111 from Daikin Chemical Ltd. which is fluoroalkyl acrylate. The '974 Patent indicates that Unidyne TG-8111 coating was diluted with water in a 5:1 ratio, that the coating was applied at a maximum of 0.6% by weight of the particles, and that the reflectivity was not significantly deteriorated by application of the coating. '974 Patent at 3:64-67, 6:14-18.</p> <p><i>See also Ex. E (product flyer).</i></p> |

| Claim 9  |   |
|--|---|
| '303 Patent Claim  | AKW Products  |
| 9[pre] A cool roofing system consisting of   | <p>The AKW Products are intended to be incorporated into a cool roofing system.</p> <p><i>See information for element 1[pre].</i></p>   |
| 9[a] an asphalt layer and a granular layer directly adhered to a top surface of the asphalt layer, | <p>The AKW Products are intended to be applied, as a layer, directly on top of an asphalt or bitumen layer. AKW customers manufacture cool roofing systems including an asphalt layer and a granular layer, wherein the AKW Products are adhered to the top surface of the asphalt layer.</p> <p><i>See information for element 1[a].</i></p> |

| <b>Claim 9</b>  |   |
|---|---|
| <b>'303 Patent Claim</b>  | <b>AKW Products</b>   |
| 9[b] wherein the granular layer comprises a plurality of highly reflective calcined, bright white crushed kaolin particles        | The AKW Products form a granular layer and comprise a plurality of highly reflective calcined, bright white crushed kaolin particles.<br><i>See information for element 1[b].</i> |
| 9[c] having a solar reflectance ranging from about 80% to about 92% prior to any added surface treatment and                      | The AKW products have a solar reflectance ranging from about 80% to about 92% prior to any added surface treatment.<br><i>See information for element 1[c].</i>                   |
| 9[d] a particle size ranging from about 0.3 mm to about 2.4 mm  | The AKW products have a particle size ranging from about 0.3 mm to about 2.4 mm.<br><i>See information for element 1[d].</i>  |
| 9[e] wherein the highly reflective bright white crushed kaolin particles comprise crushed kaolin chamotte particles and,          | The AKW products comprise crushed kaolin chamotte particles.<br><i>See information for elements 1[b] and 1[e] above.</i>  |
| 9[f] wherein the highly reflective, calcined, bright white crushed kaolin particles are surface treated with a clear coating, and | The AKW products are surface treated with a clear coating.<br><i>See information for element 1[f].</i>  |
| 9[g] wherein, when the highly reflective calcined, surface treated, bright  | When applied to an asphalt layer, the AKW Products have a resultant reflectance between about 70-82%.<br><i>See information for element 1[g].</i>                                 |

| <b>Claim 9</b>  |                     |
|---|---------------------|
| <b>'303 Patent Claim</b>  | <b>AKW Products</b> |
| white crushed kaolin particles are applied to the asphalt layer used for roofing materials, the resultant solar reflectance of the cool roofing system is between about 70-82%. |                     |

| <b>Claim 10</b>   |  |
|---|--|
| <b>'303 Patent Claim</b>  | <b>AKW Products</b>  |
| 10. The cool roofing system according to claim 9, wherein the clear coating is selected from the group consisting of silanes, siloxanes, polysiloxanes, organo-siloxanes, silicates, organic silicates, silicone resins, acrylics, urethanes, polyurethanes, glycol ethers and mixtures thereof.<br><br><i>See information for element 1[h]</i> | The clear coating on the AKW Products is selected from the group consisting of silanes, siloxanes, polysiloxanes, organo-siloxanes, silicates, organic silicates, silicone resins, acrylics, urethanes, polyurethanes, glycol ethers and mixtures thereof. |